



DuPont/Pompton Lakes Works Site Cleanup Newsletter

OCTOBER 2012

Welcome to the first edition of EPA's DuPont/Pompton Lakes Works Site Cleanup Newsletter. The U.S. Environmental Protection Agency plans to issue this communication bi-monthly to keep you informed of cleanup activities related to the Pompton Lakes, NJ area.

MARK YOUR CALENDARS!

Informal Drop-In Session
October 11, 2012
4 - 6 p.m.
Civic Center
25 Lenox Ave.
Pompton Lakes, NJ

Acid Brook

Monitoring:

Between 1991 and 1997, Acid Brook was the subject of remedial efforts that included stream cleaning on- and off-site, excavation of impacted off-site

floodplain soils, and remediation and stabilization of on-site soils. The main on-site portion of the brook has been improved by re-grading to prevent run-off from entering the brook and by installation of geotextile protective fabric, large rocks, and a silt curtain. Sampling conducted at Acid Brook (surface water and sediment sampling results dated November 2011 and February 2012) from on-site to near its discharge to the delta indicated there was an on-site area of localized high mercury in soil/sediment and an on-site area of localized high tetrachloroethylene (PCE) in surface water which warranted focused investigations. However, the off-site trend results indicate that there is no or very

low potential for recontamination of the sediment in the delta.

Recently, DuPont took additional sediment samples further upstream from EPA's sampling locations in an effort to begin identifying the source of the metal contamination. The results will be submitted within the next two weeks. EPA and the New Jersey Department of Environmental Protection (NJDEP) will hold discussions to determine next steps. DuPont also recently took a number of ground water samples in the area around ground water monitoring well MW 13, where it is suspected that a temporary high water table during the wet season resulted in the shallow ground water plume discharging PCE to the surface water of Acid Brook. The data is currently being evaluated. A spray aeration system was installed in Acid Brook, upstream of the facility boundary, to make sure no PCE leaves the site via Acid Brook.



Additional Resources:

EPA Pompton Lakes website: www.epa.gov/region2/waste/dupont_pompton
New Jersey Department of Environmental Protection:
www.state.nj.us/dep/srp/community/sites/dupont_pompton_lakes



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Permit Applications or Modifications:

EPA expects to issue the permit modification for the Acid Brook Delta Dredging Operation this fall. Subsequent to issuance, EPA will hold a public availability session.

Site Sampling:

Sampling in conjunction with the RCRA Facility Investigation (RFI) has been ongoing and is now complete. EPA expects to receive data in the near future and will share the results with the community once it has gone through Quality Assurance.

Vapor Mitigation Systems Updates:

There are 424 properties in the vapor mitigation area (VMA) that have a vapor intrusion problem. So far, 291 homes have systems installed. EPA encourages all residents with homes above the contaminated shallow ground water plume to install a vapor mitigation system (VMS). Homeowners have a choice of having DuPont install the system or arranging to have their own contractor install a system. (Residents who want DuPont to install the VMS, please contact David Epps, DuPont Project Director, at 973-492-7733. If you want a third party contractor to install the VMS, please call Pat Seppi, EPA's Community Involvement Coordinator, at 212-637-3679.)



VMS Inspection Program

EPA continues to implement the VMS inspection program designed to inspect systems that have been installed, but have not been inspected by NJDEP or EPA. EPA plans to contact residents to find out if they would like their VMS inspected by EPA's contractor. If you would like this inspection and have not been contacted yet, please call Pat Seppi, at 212-637-3679. Within this program, 44 installed systems have been inspected (at the homeowner's request) and the systems were found to be functional and operating as designed with only minor adjustments necessary in some cases.

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Water Quality Studies:

Pump and Treat Program – EPA receives quarterly reports regarding the status of the DuPont on-site ground water extraction and pump and treat (air stripping) program, which is designed to establish hydraulic containment of the on-site ground water plume, thereby preventing the plume from migrating off-site to the community. The most recent report indicates that the water leaving the treatment system and discharged to the infiltration beds along the border of the site is free of volatile organic compounds.

Pompton Lakes Municipal Utilities Authority (MUA) Records – At EPA’s request, the MUA compiled copies of their quarterly reports, which were forwarded to the residents who requested them.

Other News:

EPA was advised by the Pompton Lakes Borough Health Officer that fish consumption signs were posted at four locations around the lake where fishing occurs.

For More Information, Please Contact:

Pat Seppi, Community Involvement Coordinator
U.S. EPA
(212) 637-3679
seppi.pat@epa.gov

Site Background:

From 1902-1994, DuPont manufactured explosives on a 570-acre site located at 2000 Cannonball Road in Pompton Lakes and Wanaque, New Jersey. Past operations and waste management practices have contaminated surface water, soil, sediment and ground water both on- and off-site. The primary soil and sediment contaminants are lead, mercury and copper. Primary ground water contaminants are volatile organic compounds (VOCs) which can cause vapor intrusion in areas where the shallow ground water VOC plume extends beneath homes.

The DuPont Pompton Lakes Works site is regulated under the federal Resource Conservation and Recovery Act (RCRA). DuPont is responsible for conducting the necessary cleanup with oversight by the EPA and the New Jersey Department of Environmental Protection.

Additional Resources:

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